

Diagram No. 1220 & 1000-3

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

### DESCRIPTIVE REPORT

(HYDROGRAPHIC)

Type of Survey Wire Drag

Field No. PBS-WD-4349

Office No. FE-82WD

LOCALITY

State Maryland

General Locality Atlantic Ocean

19 49

CHIEF OF PARTY
G.R. Fish

Locality ... East of Winter Quarter Shoal

LIBRARY & ARCHIVES

DATE ...... May 17, 1950

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as:

FE No.8 1949

WEE DRAG

Diag. Cht. No. 1220 & 1000-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

Type of Survey WIRE DRAG

Field No. PBS-4349WD Office No. F.E.No.8(1949) W.D.

LOCALITY

Maryland

General locality Atlantic Ocean

Locality East of Winter Quarter Shoal

1949\_\_\_

CHIEF OF PARTY

G.R. Fish

LIBRARY & ARCHIVES

DATE ..... 17 May 1950

B-1870-1 (1)

#### DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

# HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No.

	Field No. PBS-4349-WD
State	MARYLAND
General locality	ATLANTIC OCEAN
	EAST OF WINTER QUARTER SHOAL
	Date of survey 12 to 23 June 1949
Instructions dated	5 March 1948 & 8 April 1949
	PARKER, BOWEN, & STIRNI
	G. R. Fish
	G. R. Fish
	**************************************
- ,	STANLEY M. TARKENTON
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	komusx feet at MLW MXXXXX
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KEMAKKS.	

U. S. GOVERNMENT PRINTING OFFICE 428975

#### DESCRIPTIVE REPORT TO ACCOMPANY

WIRE DRAG SURVEY NO. F.E. No. 8, 1949 (PBS - 4349 - WD)

SHIPS PARKER, BOWEN, & STIRNI

G. R. Fish, LCDR Chief of Party

#### AUTHORITY

This survey was executed in compliance with Supplemental Instructions for Project CS-326, dated 5 March 1948 and 8 April 1949.

#### DATE OF SURVEY

Wire drag operations were between 12 and 23 June 1949. There are no floating aids to navigation on this sheet.

#### SCOPE

This survey was made in order to locate and determine the least depths over Items Nos. 12, 13, 14, & 15 of Supplemental Instructions dated 8 April 1949.

#### CONTROL

Shoran distances from two shoran stations were used as control for all work on this sheet. Station TEA was on triangulation station Assateague Lighthouse (Va.) 1909, 1912, and station WAT was on triangulation station water Tank (Md.) 1932, 1942. At station Wat the antenna was fastened to the walkway railing and moved as necessary. A point 5 meters east of the triangulation station is a good mean position for the antenna. The antenna at TEA was about 150 feet above sea level and the antenna at WAT was about 100 feet above sea level.

Before beginning field work the shoran sets were calibrated in Chesapeake Bay. Corrections have been applied to the observed readings to make the zero settings agree with the calibrated values.

#### SURVEY METHODS

Standard dual control methods were used. Azimuths to NEAR and FAR buoys were determined by azimuth circles on gyro repeaters mounted on top of the pilot houses.

Standard 100 foot lengths of ground wire were used for the towline and the distance from the shoran mast to the end of the bridle was added to determine the total length of the towline. The distance from the shoran mast to the end of the bridle was about 60 feet. The following entries were made for length of towline:

Length of Ground Wire Used in Feet	Length of Towline Entered in Meters		
300	120		
400	150		
500	180		
600	210		
700	240		
800	270		

Tests for lift were made by the Tender using a graduated lead-filled pipe, 3/4" x 10 feet long, attached to a graduated airpland cord. This line was attached to a small buoy reel mounted on a small float. The pipe was coated with a mixture of white lead and oil to accurately determine the point of contact with the ground wire. Tests for lift were taken as soon as the drag was towing smoothly and repeated as thought necessary to take care of changing conditions.

Due to the height of the freeboard on the temder it was not feasible to reset the uprights after the drag was in the water. Due to this factor it was some times necessary to tow the drag along the bottom in the shoaler water in order to have sufficient depth of drag in the deeper water. Very little trouble was had when the ends of the drag were aground but it is difficult to tow the middle of the drag up more than a moderate slope.

The Ship PARKER was used as the guide vessel, the Ship BOWEN as the end vessel, and the Ship STIRNI as the temder.

#### FIELD OPERATIONS

As indicated on the obstruction data sheet three of the four wrecks were found. It is recommended that the position obtained by the Guide and End vessels when picking up the drag be given precedence in determining the correct location of the wrecks.

Long drags to cover the area with the minimum number of steps, were set to effective depths to clear the charted depths as shown on charts Nos. 1109 and 1220. Due to the uneven bottem the drag was grounded at times. The strip was continued by pulling the drag along the bottom unless a definite hang was indicated.

#### RECORDS

Drag settings were based on predicted tides for Sandy Hook, New Jersey, corrected for time and height as applied to the area. Actual tides used in the completion of the smooth records were based on the tides from Sandy Hook and Lewes, Delaware, and were furnished this party by the Washington office. All references to effective depths, unless otherwise specified, are those indicated in the record books.

Tide reducers and lifts have been entered to the nearest 0.5 foot and checked. Drag strip diagrams showing the effective depth in integral feet have beendrawh and checked in the record books.

#### TIDES

Tide gages were not maintained by this party. Tides from the Sandy Hook, New Jersey, and Lewes, Delaware, tide gages were furnished by the Washington office and used to process the records.

#### OBSTRUCTIONS, CLEARANCES, DISCREPANCIES, ETC.

Special reports for each wreck were submitted to the Director during the progress of this survey and copies of these reports were forwarded to the Supervisor, Southeastern District. Copies of these reports are attached hereto and become a part of this report. An obstruction data sheet showing the minimum hang and maximum clearance and based on the final corrections is included in this report and these values take precedence over the values listed in the special reports.

#### RECOMMENDATIONS

It is recommended that work on these four wrecks covered by this report be classified as completed.

Raymond H. Tryon, Jr.

Lt. Comdr., USC&GS

Comdg. Ships PARKER, BOWEN, & STIRNI

### OBSTRUCTION DATA SHEET Survey No. 4349, WD

LOCATION		GENERAL DEPTH FEET	MINIMUM HANG FEET	POSITION NUMBER	MAXIMUM CLEARANCE FEET	POSITION NUMBER	CHARACTER OF OBSTRUCTION	REMARKS
Lat. Leng.	38°-06'-06" 74°-37'-00"				91 94-93 94-93	1-24D 1-27F 28-51F	Wreck Ne. 253	Not -
Lat. Long.	38°-13' + 760 meters 74°-45' + 640 meters	91	76	35.20	72 🗸	1-8E	Wreck No. 818	*
Lat.	38°-13' + 564 meters 74°-45! +1120 meters	84	64* \( \)	34 <b>.</b> 4E 44 <b>.</b> 8E	62	26-31E	Wreck Ne. 819	
Lat. Long.	38°-05' 4 890 meters 74°-48' +1020 meters 7020	83	51 V	27.44	<b>50</b>	1-7G	Wreck Ne. Bange Par. 12	Gordon C.Cole

<sup>\*</sup> See note Paragraph 4 Special report of 23 June 1949 | copy attached \*\* See note Paragraph 3 Special report of 23 June 1949

STATISTICS FOR SHEET	NO.	(PBS-WD-4349)
Ships PARKER, BOWEN,	STIRNI	(Project CS-326)

Date	Day Letter	Stat. Mi. Dragged	Number Positions	No. H.L.	Soundings Fath.
12 June	A	4•3	36		<b>2</b> -2
13 "	В	5.4	.;= <b>5</b> 0		
14 "	C	4.0	39		4
15 "	D	3 <b>.5</b>	24		
21 "	E	4.9	47		
22 "	F	6.7	51		-
23 <sup>11</sup>	G	0.9	7		
•	Tota	ls 29.7	254	***	6

Total square statute miles of area dragged equal 19.7

418 Post Office Building, Norfolk, Virginia 23 June 1949 The Director Tos U. S. Coast & Geodetic Survey Washington 25, D. C. Subject: Special Report on Wreck of the Barge GOMDON C. COLE. - Superseded by Obstruction Date Sheet This wreck is Item No. 12 of Supplemental Instructions dated 8 April 1949. The position of the wreck of the Sarge CORDON C. COLE is Latitude 38° 05.47' Longitude 74" 48.68" A wire drag set to an effective depth of 51.0 feet hung the wreck. A wire drag set to an effective depth of 50.5 feet cleared the wreck. Depths are based on predicted tides for the vicinity. Recommended charting depth is 50 feet. G. R. Pish Lt. Condr., USCAGS Condg. Shipe PARKER, SUNSN, STIRRI ce: Superviser, SE District 1 485 (49)

### 418 Post Office Suilding, Morfolk, Virginia

23 June 1949

To: The Director
U. S. Coast & Geodetic Survey
Washington 25, D. C.

Subjects Special Report on Wreak No. 253 (SAN GIL) - Superseded by Obstruction Data Sheet

This wreck is Item No. 18 of Supplemental Instructions dated 8 April 1948.

The wrock was not found. An area about 2.8 miles long in a north-south direction and about 2.5 miles wide in an east-west direction and centered on the reported position of the wrock in latitude 38° 06' 06", longitude 74° 37' 00" was cleared by wire drag with effective depths varying from 91.0 to 93.5 feet.

After completing the wire drag a somer search was made around the limits of the area covered by wire drag with negative results.

Depths are based on predicted tides for the vicinity.

It is recommended that no further search be made for this wreck and that the wreck symbol be retained on the chart and that the area covered by wire drug also be shown.

Ho. See review

C. R. Fish Lt. Comdr., USCAOS Comdg. Ships PAREER, BONSE, STIESI

oc: Supervisor, SE District

1485 (49)

### 418 Post Office Building, Norfolk, Virginia

25 June 1949

To: The Director
U. S. Goast & Goodetic Survey
Washington 25, D. C.

Subjects Special Report on Wrock No. 818 (S. G. WILLWA) - Superseded by Obstruction Date Sheet

This wrock is Item No. 14 of Supplemental Instructions dated 8 April 1949.

The position of Wreck No. 818 is

Latitude 38° 13.37° Longitude 74° 45.38°

A wire drag set to an effective depth of 76.5 feet hung the wrock.

A wire drag set to an effective depth of 72.5 feet cleared the wreek.

Depths are based on predicted tides for the vicinity.

Recommended charting depth is 72 feet.

G. R. Fish Lt. Comdr., USGAGE Comdg. Chips PARKER, BOWER, STIRSI

ces Supervisor, SE District

1485 (49)

418 Post Office Milding, Morfolk, Virginia 23 June 1949 Tos The Director U. S. Coast & Goodetic Survey Washington 25, D. C. Subject: Special Report on Wreck No. 819 (SAITIA) - Superseded by Obstruction Data Sheet This wreck is Item No. 15 of Supplemental Instructions dated 8 April 1949. The position of Wreck No. 619 is 36" 13.37" Latitude Longitude 74° 45.76° A wire drag set to an effective depth of 66.5 feet hung and cleared the wreak. A wire drag set to an effective depth of 64.5 feet cleared the wreck but the current carried the drag close to the wreck before tension was put on the ground wire and the clearance is doubtful. A wire drag set to an effective depth of 63.0 fact cleared the wreck. Depths are based on predicted tides for the vicinity. Recommended charting depth is 63 feet. G. R. Fish Lt. Comdr., USGAGE Condg. Ships PARKER, SCHEN, STIRRI oo: Supervisor, SS District 1485 (49)

#### ADDENDUM

#### To Accompany

WIRE DRAG SURVEY PBS-4349WD

This survey was treated as a field examination in accordance with The Directors' letter, number 22-sro, D-1-SE, dated 10 Oct. 1949.

#### DISCREPANCIES

Lat. 38-14.5: Long. 74-44.4 Ground on charted shoal at 74 feet on line 30 to 50B was cleared at 79 feet on line 1 to 30B.

Respectfull submitted,

Hugh L. Proffitt

Cartographer

Norfolk, Va. 8 May 1950

Approved & Forwarded;

Supervisor, S.E. District.

FORM 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

#### TIDE NOTE FOR HYDROGRAPHIC SHEET

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24 May 1950

Division of Charts: R. H. Carstens

Plane of reference approved in 5 volumes of sounding x neconds x and wire drag records for FE No. 8 1949

#### HYDROGRADHEC SHEET

Locality East of Winter Quarter Shoal, Virginia Coast

Chief of Party: G. R. Fish in 1949
Plane of reference is mean low water, reading
2.0 ft. on tide staff at Sandy Hook, New Jersey
9.3 ft. below B. M. 2 (1923)

2.0 ft. on tide staff at Lewes, Delaware 13.3 ft. below B. M. 36 (1947)

Height of mean high water above plane of reference is as follows:

SAndy Hook = 4.5 feet Lewes = 4.2 feet

Condition of records satisfactory except as noted below:

E.C.McKay Section

Chief, Division of Tides and Currents.

# Hydrographic Surveys (Chart Division)

# HYDROGRAPHIC SURVEY NO. .F.E.No.8(1949) W.D.

Records accompanying survey:	
Boat sheets 2; sounding vols. 1; wire drag	g vols. 4;
bomb vols; graphic recorder rolls;	
special reports, etc drag strip tracings	• • • • • • • • • • •
	• • • • • • • • • • • •
The following statistics will be submitted with the crapher's report on the sheet:	cartog-
Number of positions on sheet	<b>254</b> 254
Number of positions checked	17
Number of positions revised	/
Number of soundings revised (refers to depth only)	• • • • •
Number of soundings erroneously spaced	• • • • •
Number of signals erroneously plotted or transferred	••••
Topographic details Time	• • • • •
Junctions	••••
Verification of soundings from graphic record Time	• • • • •
Verification by	Date 20 Oct. '50
Reviewed by	Date /1.16v 50

This field examination was made to investigate four sunken wrecks off the Maryland coast, falling within the limits of Charts 1220 and 1109. Shoran was used for control.

Three of the wrecks were found. No evidence of Wreck No. 253 (Chart 1109) was found within more than a one-mile radius of the reported position. Additional search by Sonar failed to detect the wreck.

The results of the wire-drag examination are tabulated on the obstruction data sheet in the Descriptive Report and plotted on the attached three sections of the smooth sheet.

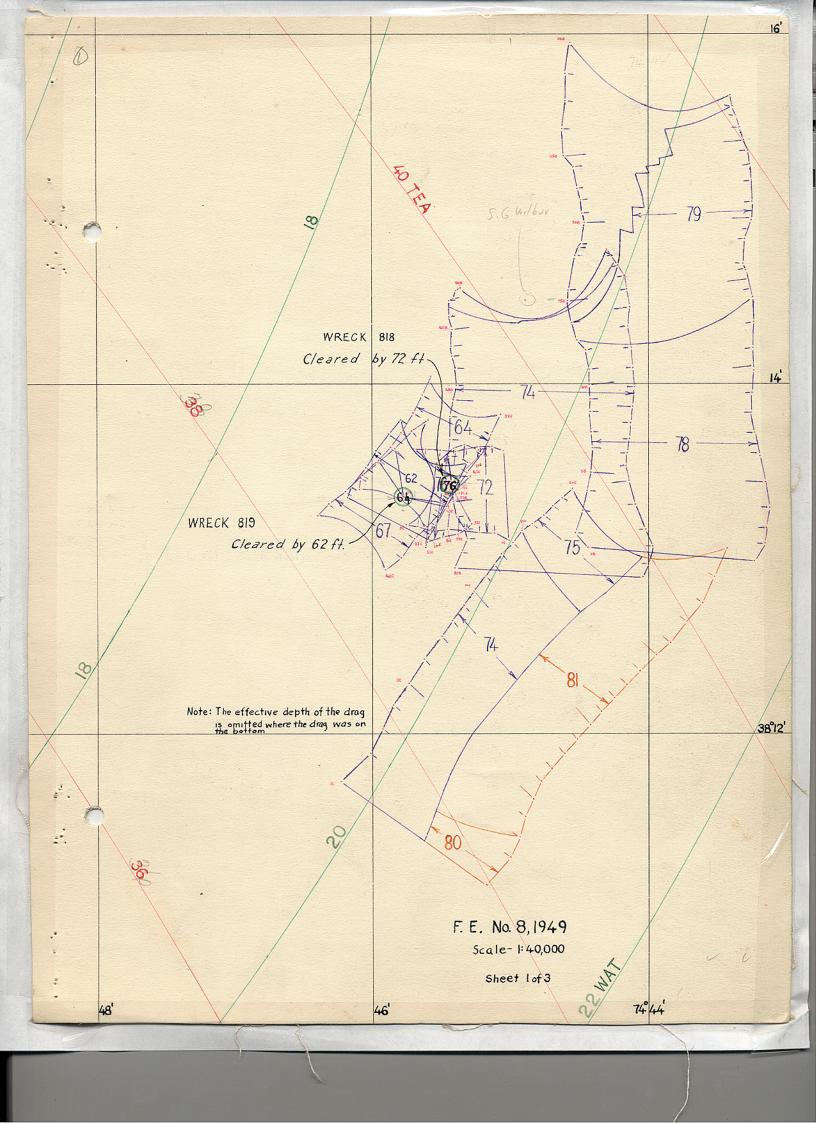
This work was applied to Chart 1220 (print of 50-10/16) before verification; the charted detail is correct. The sunken wreck symbol, Wreck No. 253 in lat. 38° 06.1', long. 74° 37.0', should be expunged from Chart 1109; the area was cleared to within 1 fathom of the charted 16-fm. bottom depth.

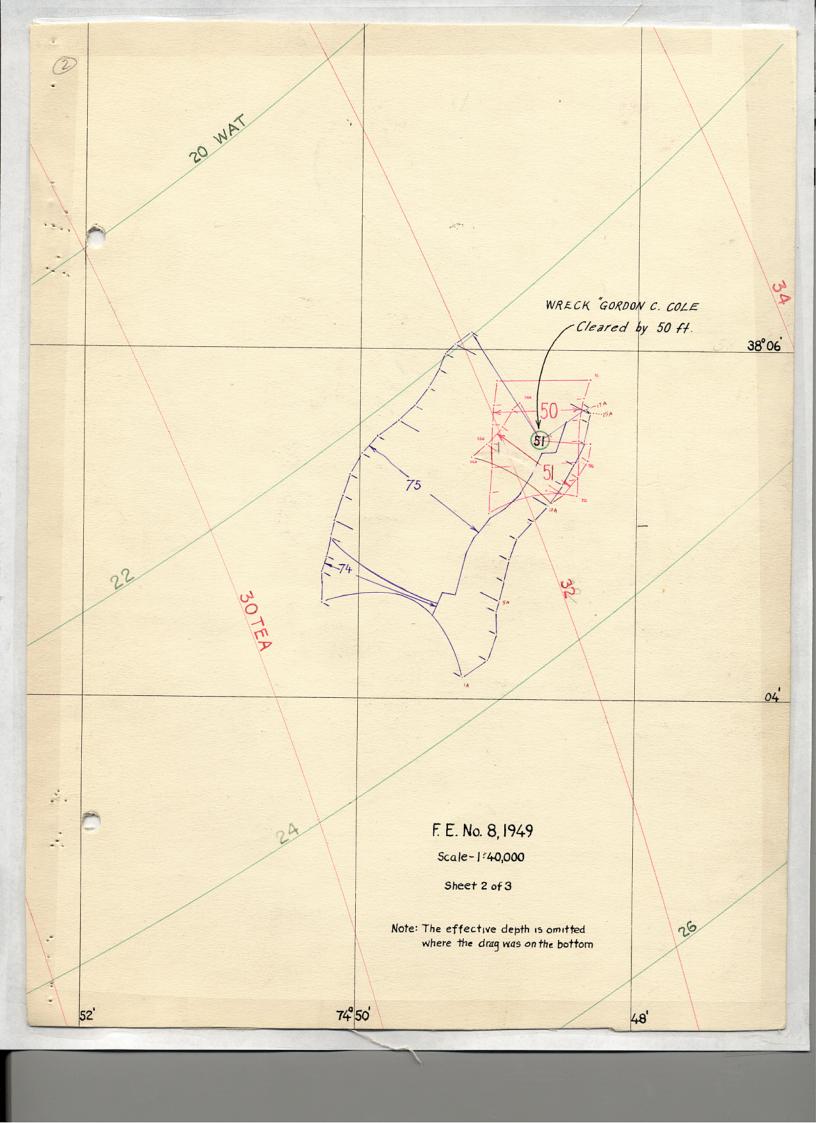
The Descriptive Report and attached correspondence adequately cover all other matters pertaining to this examination.

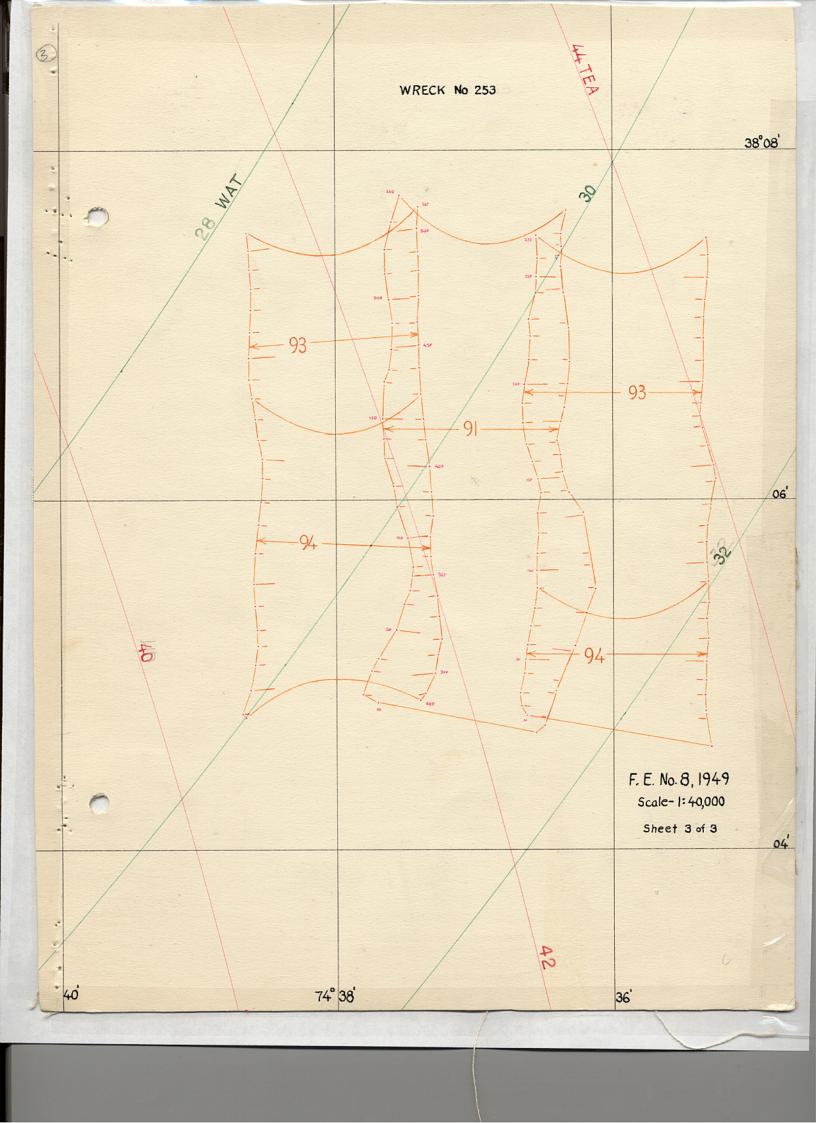
November 17, 1950

G. F. Jordan

Inspected by: R. H. Carstens







# NAUTICAL CHARTS BRANCH

SURVEY NO. F.E. No. 8(1949) W.D.

### Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/23/50	1220	X.7. Sterman	Before Affer Verification and Review Completely applied
1/18/50	1109	Richardson	Before Attar Verification and Review Completely applied
		1	Before After Verification and Review
3/6/51	1000	Samogam	Belere After Verification and Review
/			Completely applied.
			Before After Verification and Review
10/4/51	1220	Saluban	Before After) Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.